

Acetylation of Gene Proteins and Mutations,
by I. Ya. Rapoport, 11 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LVIII,
No 1, 1947, pp 119-122.

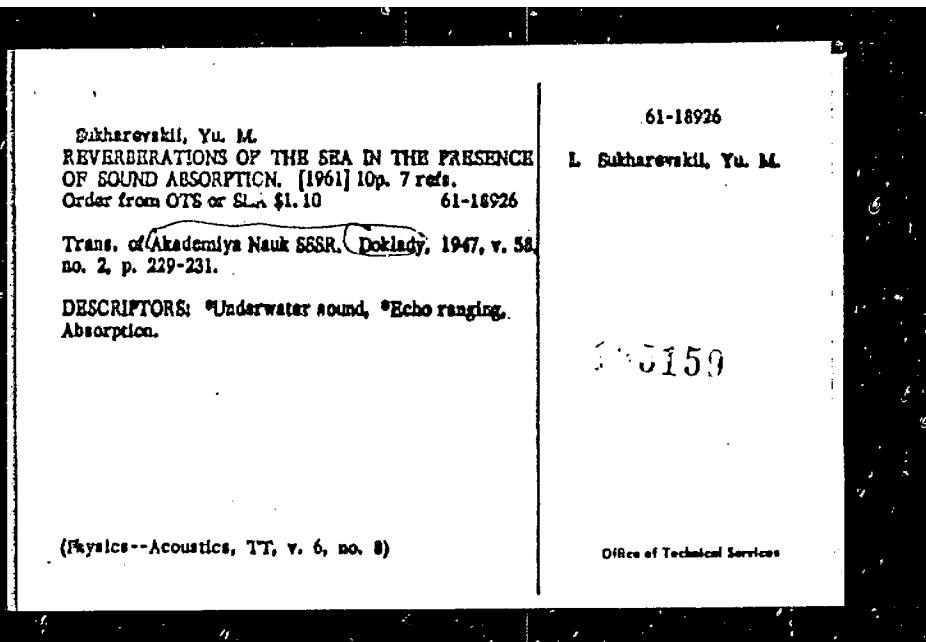
ONB 60-17781

Sci

187,770

3 Mar 62

Vol 4, No 4



178/60

(SF-1048)

Character of the Cessation of Detonation of
Powdered Explosive Substances, by A. Ya. Apin,
V. K. Bobolev, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LVIII, No 2,
1947, pp 241-244.

JPRS 4027

Sci - Chem

Sep 60

125,703

178/60

(SF-1048)

Effect of Pressure on the Velocity of Thermal
Decomposition of Explosive Substances, by Yu. N.
Ryabinin, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LVIII, No 2,
1947, pp 245-248.

JPRS 4030

Sci - Chem

127, 181

The Critical Surface of Adiabatic Flow, by
S. S. Byusgens.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LVIII, No 3,
1947, pp 365-368.

MLL Ref: 5828.4 1962 (5,242) (loan)

Sci - Phys
Jul 63

236,107

DOK AKAD NAUK SSSR, NOVA SER Vol LVIII, No 3 Oct 47

4 pp

"Escape of Supersonic Jet from Container with Flat
Sides"

F. I. Frankl'

Done by AMC
F-1S-1213-1A
copy in file
AF-226940

49T78

Absorption Spectrum of Structural Proteins of the Muscle in Ultraviolet Light, by Kh. M. Ravikovich,
O. N. Setkina, K. D. Leont'eva, 7 pp. UNCLASSIFIED.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LVIII,
No 3, 1947, pp 401-404.

CIA/FDD/X-1470

Scientific - Biology

18,841

DOK AK NAUK

Vol LVIII, No 4, 1947, 4 pp

"Mechanisms of "Electrical Method of Separating Nuclear
Isomers"

A.S. Karamyan
L.I. "usinov

Available at Brookhaven
See Guide to Russ Sci Per Lit, Vol 1, No 7, P. 51

38T89

Discussion of Methods used for Studying the Orientation of Particles in Sand-containing Sedimentary Rocks, by T. Gryaznova.
RUSSIA, per, Doklady Akademii Nauk SSSR, Vol 50,
no 4, 1947, pp 50-547
CSIRO, No 7106

Sci -
Aug 67
335, v.10

Effect of Wings Moving at Supersonic Speed, by
E. A. Krasil'shchikova, 7 pp.

RUSSIAN, thrice-monthly, Dok Ak Nauk SSSR, Vol
LVIII, No 4, 1947, pp 543-546.

Sci Trans Center RT-925

Scientific - ~~xx~~ Aeronautics
CTS DEX

14 053

The Magnetostriction of Single Crystals of Ferro-Silicon, by D. A. Shturkin, 1 p.

RUSSIAN, per, Dok Ak Nauk, SSSR, Vol LVIII, No 4,
1947, pp 581-582.

CIA/FDD/Z-73

Scientific - Physics
CTS/DEX

7073

A Mechanism of Corrosive Cracking in Magnesium Alloys,
by N. M. Zaretskiy, 3 pp.

RUSSIAN,
MAGNETI thrice-no per, Dok Ak Nauk SSSR, Vol LVIII,
No 4, 1947, pp 607-610.

Sci Tr Center
MT-1237

Scientific - Physics

17, 4-39

On the Nature of the Hydrogen Bond, by N. D. Sokolov,
31 pp.

RUSSIAN, twice-no per, Dok Ak Nauk SSSR, Vol LVIIX, No 4,
1947, pp 611-614

CIA/FDD/X-741

Scientific - Chemistry, Nov 1952/CIS/DEX
hydrogen

Received 16 Dec 66
CIS 77-01 - 20626

~~CLASSIFIED~~
photochemical Oxidation of Magnesium Phthalocyanine
of Chlorophyll, by A. A. Krasnovskii, 7 pp.

UDK, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXI,
1947, pp 617-620.

CIA/FDD/X-1496

Scientific - Chemistry

19,587

Some Methods of Studying Oriented Particles
in Sandy Deposits; on Materials of Cambro-
Silurian Sandstones in the North Salinki River
Area, Leningrad Region, by T. E. Gryaznova, 4 pp.

RUSSIAN, thrice-mo per,Dok Ak Nauk SSSR, Vol LVIII,
No 4, pp 647-650.

SLA R-1376

May 58

63,910

Decomposition of Aluminosilicates by Soil
Bacteria, by L. E. Novorossova & N. P. Remezov,
RUSSIAN, per, Doklady Akademii Nauk SSSR, Vol 58,
No 4, 1947, pp 655-658.
CFSTI TT 67-51383

Sci/Ear Sci
May 68

356,805

Characteristics of Fluctuating Reverberation of
the Sea, by I. M. Sukharevskiy, 7 pp. UNCLASSIFIED

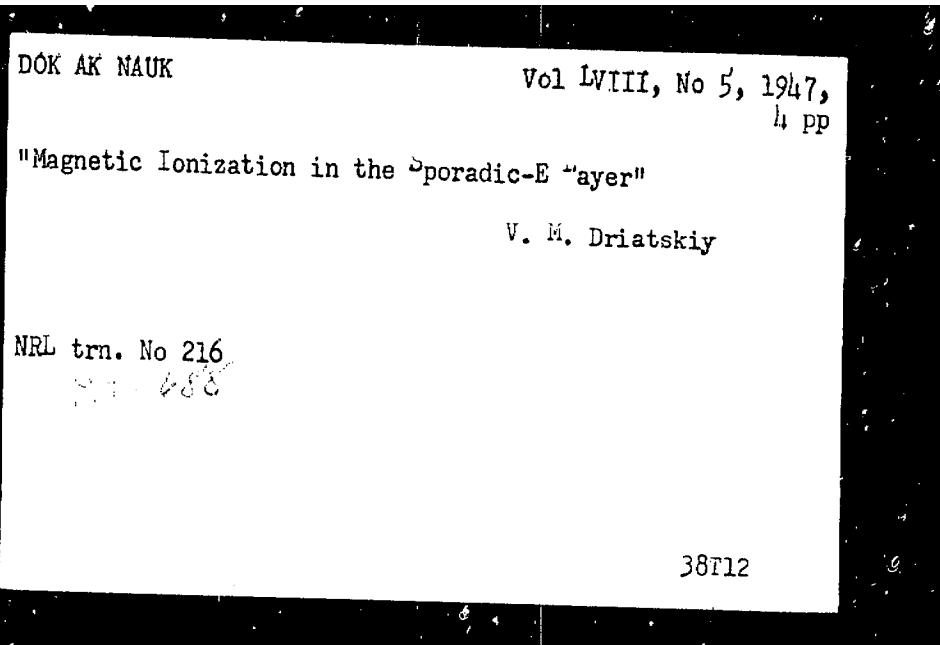
RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LVIII, No 5, 1947.

Navy Tr 238/HO

USSR
Scientific - Geophysics

Nov CTS Dex only

20, 335



DOK AK NAUK

Vol LVIII, No 5, 1947, 4 pp

"Asymptotic Resolution of Chaplygin's Function"

F. I. Frankl'

Done by AMC
F-TS-1212-1A
Copy in files

38T62

Influence of the Edges of the Tips on the Motion of the
String With Vibrations at Supersonic Speed, by
Ye. A. Kravtchikova.
IZVESTIYA, p. 6, DOZ. AKADEMII, Vol. LVIII, No. 1,
1947, pp. 761, 762.
*DDA T7 1-9440

Sci-Aero
JUN 05

The Motion of Particles of the Products of Detonation
of a Linear Charge, by K. P. Stenukovich, 9 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LVIII,
No 5, 1947, pp 763 + 766.

AMC F-TS-7472

Scientific - Physics - Hydromechanics

Nov 1951 CTS

Stability of Oxidation of Chlorophyll and
Cadmium Phthalocyanine by Benzoyl Peroxide, by
A. Krasnovskii, 7 pp. UNCLASSIFIED

USSR, thrice-mo per, Dok Ak Nauk SSSR, Vol LVIII,
5, 1947, pp 835-837.

CIA/FDD/X-1497

Scientific - Chemistry

19,588

DOK AK NAUX

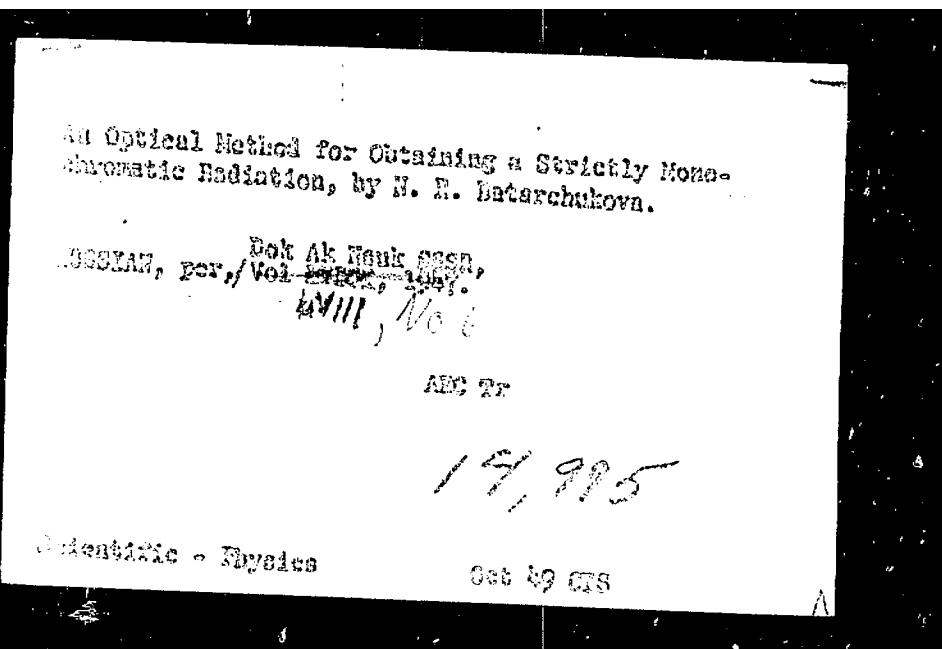
Vol LVIII, No 6, 1947,
2 pp

"Possible Method for Investigating the Selective Absorption
of Gamma Rays by Atom Nuclei"

I. Barit
L. Groshev
M. Podgoretskiy

Available at Brookhaven
See Guide to US Sci Per Lit Vol 1, No 7, page 50

36T81



On the Mutual Solubility of Metals, by K. A.
Osipov, 5 pp.

Full translation.

RUSSIAN, Dok Ak Nauk SSSR, 1947, Vol LVIII,
No 6, pp 1055-1056.

Sci Mus Lib No 52/3266

Scientific - Metallurgy

27 December 1952

Ac
Concerning a Regularity Observed in Melting
the Metals Li, Na, K and Zn, Cs, Eg, by
G. Ya. Samoilov, 6 pp.

RUSSIAN, Dok Ak Nauk SSSR, Vol LVIII, No 6,
1947, pp 1073-1075.

OTS II-64-10155

Sci Tr Center
ET-1489

Scientific - Chemistry 18, 877

Polymerization of Liquids, by V. T. Slavyanskiy, 6 pp.

RUSSIAN, per, Dok Akad Nauk SSSR, Vol LVIII, 1947,
pp 1677-1679.

AEC Tr *3785*

Sci - Chem

Oct 59

98,907

Photosensitizing Action of Phthalocyanine of
Magnesium and Chlorophyll in Solution, by A. A.
Krasnovskii, G. P. Brin, 7 pp. UNCLASSIFIED

RUSSIAN, tricce-mo per, Dok Ak Nauk SSSR, Vol
LVI(2), No 6, 1947, pp 1087-1090.

CIA/PDD/X-1493

Scientific - Chemistry

19,589

Influence of Surface Properties of Some Organic
Liquids on the Bulk Density of Small Coal, by
A. A. Agroskin, E. N. Loskutova.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LVIII, No 6,
1947, p 1095.

Dept of Int
US Bur of Minas
Central Miner Sta
Pitts., Pa. Tr 252

Sci - Chem

Jun 59

88, 549

Coruscular Solar Radiation, by V. Krat,
7 pp, UNCL.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LVIII,
No 7, 1947, pp 1313-1316.

ATIC P-TB-9770/V

Sci - Astron

Jul 59

91,176

DOK AKAD NAUK SSSR, Nov Ser" Vol L^VIII, No 7, 1947,
 $2\frac{1}{2}$ pp

"New Methods of Producing Aerosols"

N. Smirnov

Translated by ID
copy in file safe

60T107

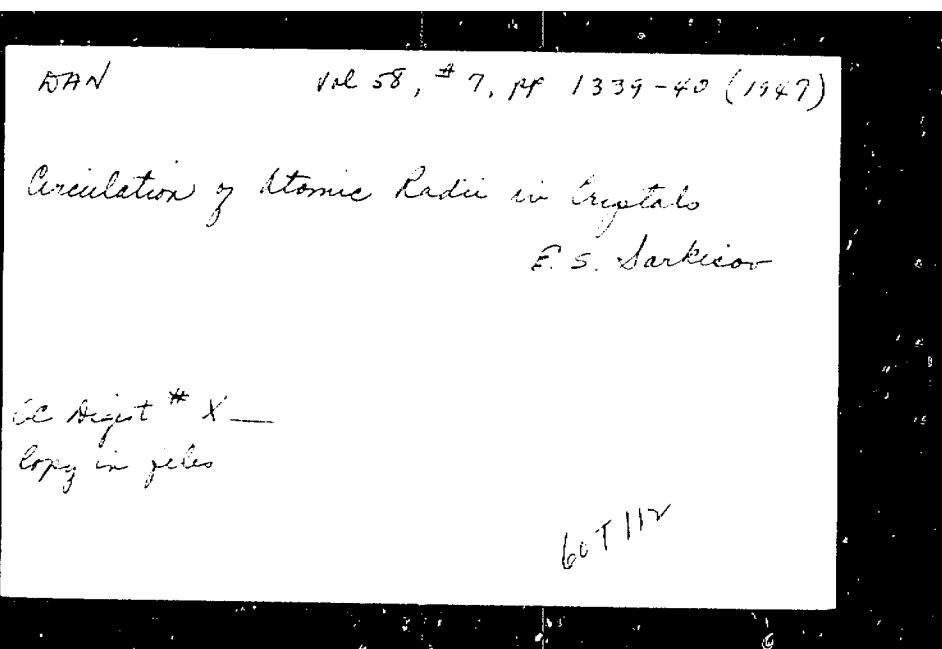
DOK AKAD NAUK SSSR, NOV SER Vol LVIII, No 7, 1947, 4p

"Thermochemical Radii of Ions in Solution"

K. B. Yatsimirskiy

Bucans has copy of this trans.
done by Army Chem Corps

60T10



Phase Diagrams of Ternary Systems Composed
of Lithium, Sodium, Potassium, and Rubidium
Fluorides, by E. P. Dergunov, 10 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LVIII, No 7, 1947, pp 1369-1372.

Sci Trans Center
RT-2708

29, 222

Scientific - Chemistry
CTS 75/Dec 55

V
1,4-naphthaquinone Reactions With Bisulfites, by
V. N. Ufimtsev.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LVIII,
No 7, 1947, pp 1377-1378.

Res Info Sv R. 582
53 Nassau St
NY

Scientific - Chemistry

Feb 56 31,060

The Synthesis and Decomposition of High-Molecular Weight Glycols, by M. A. Chel'tsova, A. D. Petrov,

RUSSIAN, per 3 x mo, Dok Ak Nauk SSSR, Vol LVIII, No 7, 1947, pp 1379-1381.

Res Info Ser R.563
53 Nassau Street,
New York 5, N. Y.

32,078

Sci - Chemistry

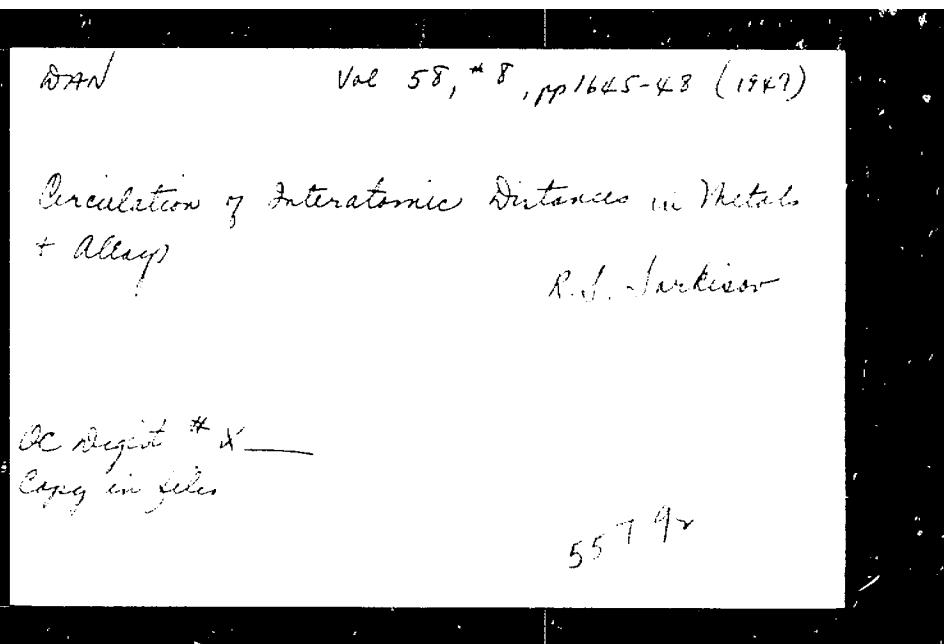
Thermo-Chemical Radii of Hydroxyl Radicals, by
K. B. Yataimirskiy.

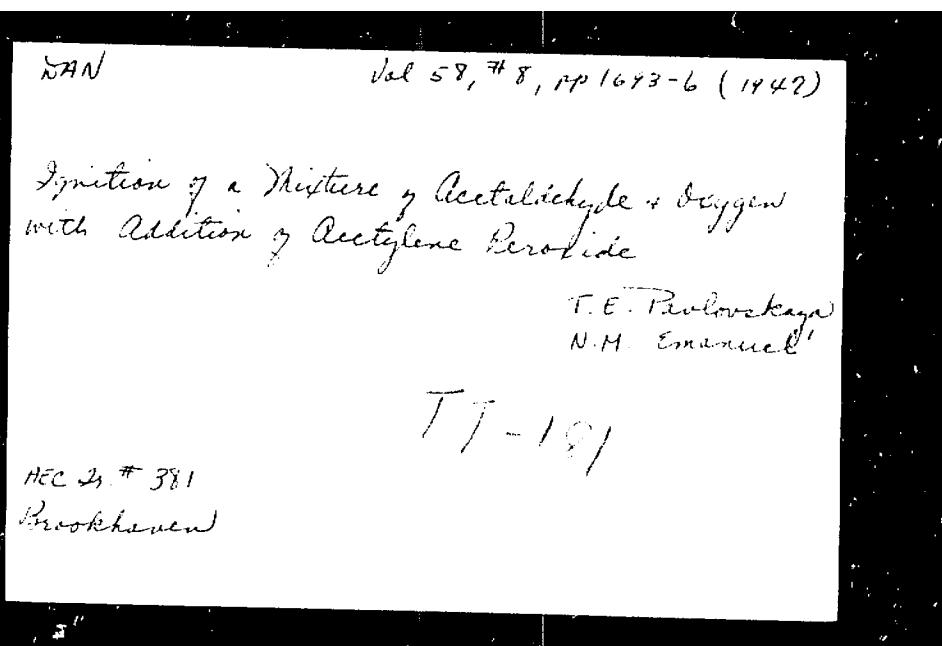
+hricc -
RUSSIAN, 3-x mo, per, Dok Ak Nauk SSSR, Vol
LVIII, No 7, 1947, pp 1407-1410.

Res Info Serv R.584
53 Nassau Street,
New York 5, N. Y.

32, 043

Sci - Chemistry





Isolation of Crystalline Proteins From the Skin of
Mammals, Birds, Reptiles, Amphibians, Fishes, by
N. E. Pletnikova, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol LVIII, 1947,
pp 1715-1718.

A.E.R.E. Tr
11/3/5341

Scientific - Biology

CTS/DEX

7295

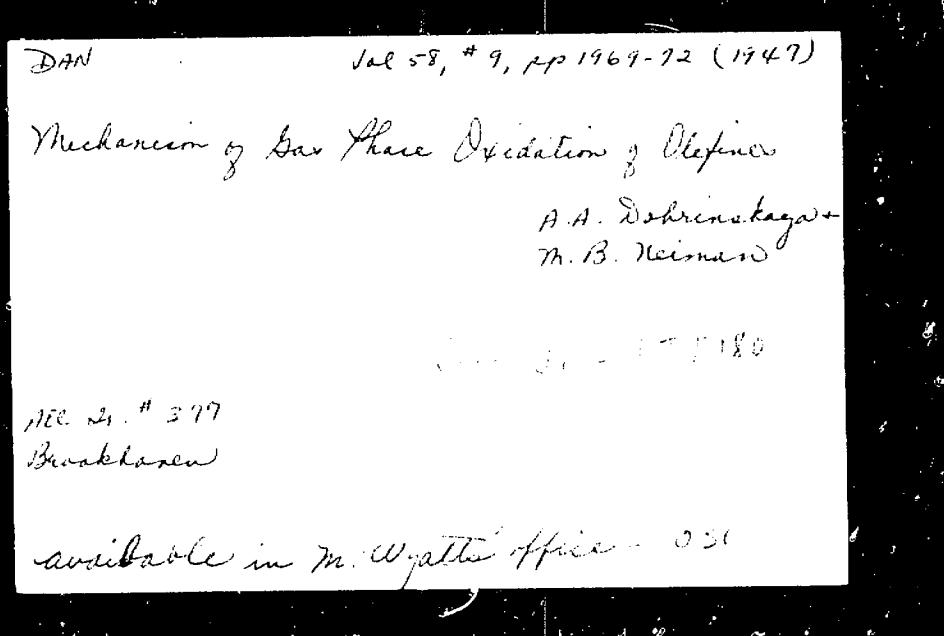
Content of Water and Its Daily Variation in the
Leaves of Forest Mesophytes, by G. I. Poplavskaya,
7 pp. UNCLASSIFIED.

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol LVIII,
1947, pp 1813-1816.

CIA/FDD/X-1499

Scientific - Chemistry

19,590



DOK AKAD NAUK SSSR, Nov Ser

Vol LVIII, No 9, 1947, 4p

"Ultraviolet Luminescence of Monocrystals KCl and KBr,
X-Rayed at Low Temperature"

M. L. Kals

NRL No 252

H7-857

55T85

Concerning a New Genus of Viviparous Monogenetic Trematodes, by B. Bykovsky, 6 pp.

RUSSIANE, per, Dok Ak Nauk SSSR, Vol LVIII, No 9, 1927, pp 2139-2141.

Fisheries Res Board of Canada
Biol Station
Nanaimo B.C.

Sci

Feb 64

Investigation of the Ionospheric P₂ Layer During
the Total Eclipse of the Sun May 20, 1947, in
Brazil ~~XVII~~ by V. L.
Alpert. 8 pp.

RUSSIAN, para, Iz Ak Nauk SSSR Fiz, Vol XII, No 1,
Jan/Feb 48, pp 44-53; Dok Ak Nauk SSSR, Vol LXIII,
No 9, Dec 47.

MRL Tr 185

WT-385

12,765

RDB 41

Scientific - Astronomy

DOK AKAD NAUK SSSR, NOVA SER

Vol LVIII, No 9,
3 pp

"Investigations of the Sun's Radio Emissions by the Brazil
Expedition of the Academy of Sciences of the USSR During
the Solar Eclipse, 20 May 1947"

S. E. Khaykin
B. M. Chikhachev

NRL Trans 183
See 39T101

55T80

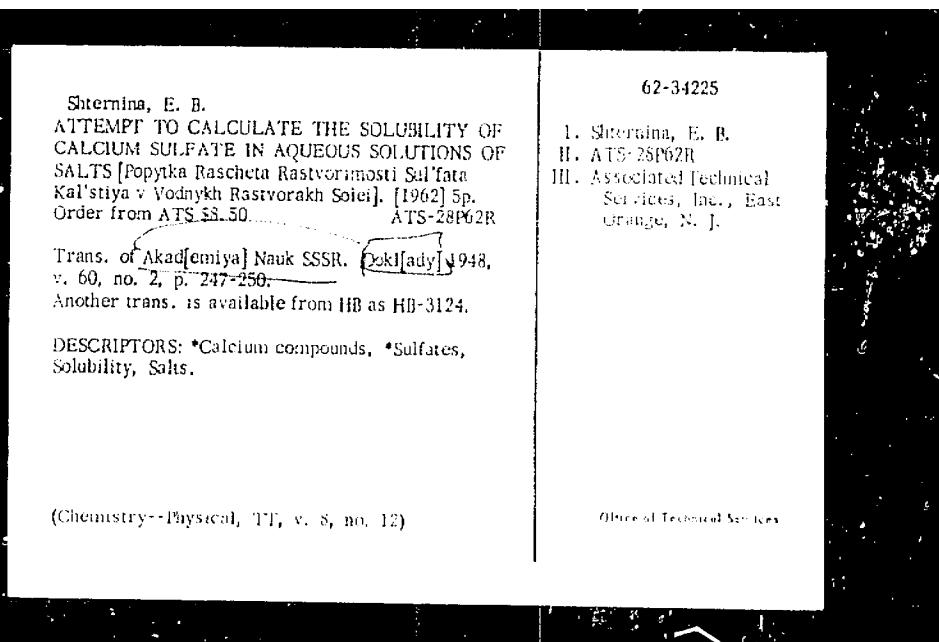
Approximate Boundary Conditions for the Electro-
magnetic Field on the Surface of a Good Conductor,
by M. A. Leontovich, 5 pp.

NUSSIAN, threec-mo per, Dok At Rauk SSSR, 1943.

CIA/PDD X-2350

Bei = Fergnies
May 1957 CBS/dex

47, 329



Electrocapillary Curves of Mercury in the
Presence of Polyvalent Cations, by L. M.
Shtifman, 7 p.

RUSSIAN, per, Dok Ak Nauk SSSR, 1948, Vol[VI,
III, No 6, pp 709-712.

SIA 59-16743

Sci

Feb 60

Vol 2, No 9

107,053

Infrared Spectroscopic Study of the Ageing of
Chloroprene Rubbers, by N.M. Kocharyan.
RUSSIAN, per, Dokl. Akad. Nauk. armyan.SSR
Vol. 38, 1964, pp 23-26
GB 28

Sci -
Aug 67

337-126

Dokl Ak Nauk SSSR, Vol LIX, No 1, Jan
B-73 # 7
Translated and available
in Coll Br, ID, GULAC for Interagency
Translation Report No 2, 1968, page

"Method of Constructing Braggoevskiy
Projection by Using Rapidly Con-
verging Series, S.T. Konobeyevskiy

DOK AKAD NAUK(SSR, Nova Ser"

Vol LIX, No 1, 1948,
 $3\frac{1}{4}$ pp

"Coefficient of Recombination of Ions in a Corona Dis-
charge of the Atmosphere"

V. I. Popkov

NRL Translation No 166
in file safe

42T100

DOK AKAD NAUK SSSR, Nova Ser

Vol LIX, No 1, 1948,
4 pp

"Construction of Frequency Variation Diagrams"

V. P. Nikitin
V. K. Turkin
N. P. Kunitskiy

NRL Trans. #177
(in D'Anito's folder)

42T13

A New Method of Quantitive X-Ray Spectral Analysis, by
D. V. Borovskiy.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXI, No 1, 1948,
pp 29-31.

AEC Tr 1272
NRL Tr 163
FA 42199
CIA 237621

15,790

Scientific - Chemistry
Physics

DOK AKAD NAUK SSSR, Nova Ser Vol LIX, № 1, 1948, 3 p.

"Dielectric Properties of Barium Tetratitanate and Other Dielectrics of the TiO₂ - BaO Systems"

G. I. Skanavi

Translated OCSIGo, SIGIS Trans No 376
copy in files

TIC F2 4689-49
Also available at Brookhaven, see guide to
Russ Sci Per Lit, Vol 2, No 3, Page 118.

42 P10

The Construction of a Diagram for Frequency of
Oscillation, by V. P. Nikitin, V. K. Turkin, N. P.
Kunitsky, 7 pp.

RUSSIAN, per, Comptes Rendus (Doklady) Academy of
Science, USSR, Vol LIX, No 1, 1948, pp 57-60.

NRL 177

CIA 237768
?

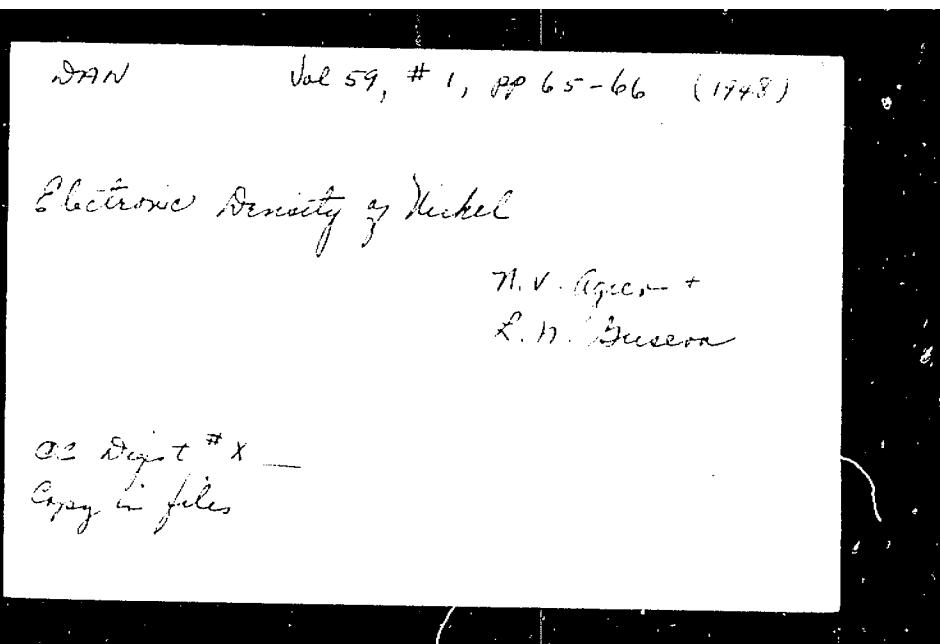
The Coefficient of Recombination of Ions Under
Conditions of a Corona Discharge in the Atmospheric
Air, by V. I. Popkov, 7 pp.

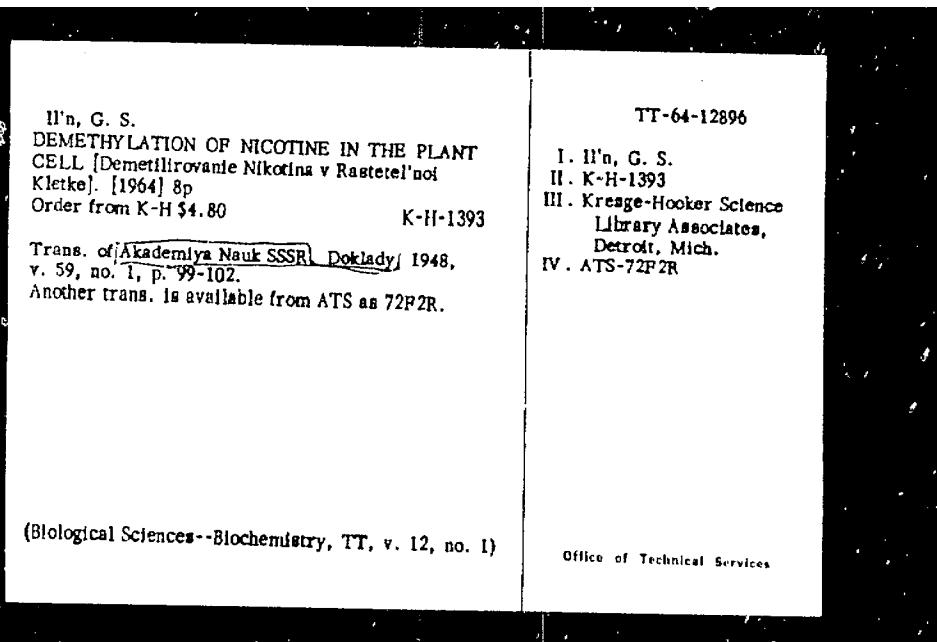
RUSSIAN, Comptes Rendus (Doklady) Ak Nauk, SSSR,
Vol LIX, No 1, pp 61-64, 1948.

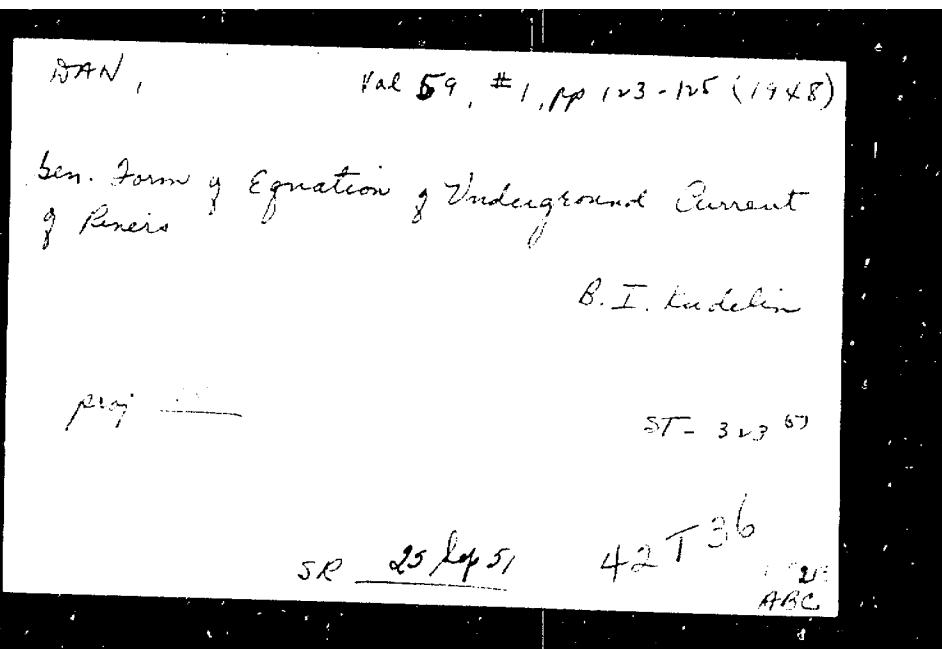
NRL 166

CIA ~~98~~

237760







DOK AKAD MAUK SSSR, Nova Ser

Vol LIX, No 2,
1948, 4 pp

"Certain Physical Properties of Oxide-barium Thermocathodes

N. D. Morgulis
V.S. Yagovdik

Available at Brookhaven
See guide to Russ Sci Per Lit, Vol 2, No 3, p. 118

43T5

A New Field Method of Determining the Suction Force of Plants, by V. S. Shardakov.

RUSSIAN, par., Dok Ak Nauk SSSR, LXX, No 1,
1948, pp 169-172.

CSIRO 3862

Sci - Biol
Aug 62

211, 225

DOK AKAD NAUK SSSR, Nova Ser Vol LIX, No 2, 1948, 4 pp

"Dielectric Permittivity and Its Relation to Temperature
for Crystals of the Rutile and Perovskite Type"

G. I. Skanavi

and others

Translated and available

Coll Branch, ID, GSUSA per Consolidated
Translation Report No 3, 19 August 1949

AEC Tr - 178
Available at Brookhaven

PP 23-2-34

43T100

DOK AKAD NAUK SSSR, Nova Ser.

Vol LIX, No 2, 1948,
3 pp

"Heterogeneity of the Surface of a Ferromagnet and Fields
of Magnetic Dispersion"

I. M. Kirko

NRL Translation 186
copy in file safe

43T99

Method of Studying the Build-up of an Electric
Field in the North, by B. S. Bhowmik, 7 pp.

TEGUMA, 1936-37 pp., Dok. At. Book Club, Vol. III,
No 2, 1936, pp. 229-232.

ABEC F-30-36274

36, 264.

Sci. & Geophysics
Oct 1936

The Role of Inert Salts in Safety Explosives, by
A. I. Golbinder, 4 pp.

RUESIAH, per, Dok Ak Nauk SSSR, Vol LIX, No 2,
30 Nov 1957, pp 251-263. 649548

Picatinny Arsenal Tr 47
OTLA 4345

Sci
Nov 59

100,500

Viscosity of the Blast Furnace Slags at Low
Temperature, by A. I. Zhillin.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LIX, No 2,
1948, pp 293, 294.

DSIR LLU M.1775
(lcas)

Sci - Engr

Oct 60

130,739

On the Systematic Position of Anhydrotyle
Baicalense Wlasenko, by O. M. Bauer.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LIX, No 2,
1948, pp 383-386.

Virginia Inst of Marine
Science (Loan)

Sci
Sept 64

Concerning the Classification Position of Ankyro-
cotyle Baicalense Wlazenko, by O. N. Bauer.
RUSSIAN, per, Doklady Akademii Nauk SSSR, Vol 59,
No 2, 1948, pp 383-386.
NLL RTS 3394

Sci-B and M
Nov 67

345,226

On the Fredholm Series, by I. A. Itskevich, 4 pp.
RUSSIAN, per, Dok Ak NaukSSR, Vol LIX, No 3, 1948,
pp 423-425.
Navy Tr 3764/NRL 966

Sci - Phys
Apr 64

DOK AKAD NAUK SSSR, Nova Ser

Vol LIX, No 3, 1948,
2 $\frac{1}{2}$ pp

"Ionization of Molecules KI, NaI and CaCl by Electrons"

N.I. Ionov

NRL Trans No 162
In file safe

42T95

Ionospheric Disturbances of a Special Type, by
N. V. Mednikova, 8 pp.

RUSSIAN, Dok Ak Nauk SSSR, Vol 59, No 3, 1948, p 475.

NRL 187

CIA 11159

The First Observation of the Night Ionized Layer Above the V₂ Layer, by A. N. Kazantsev,
6 pp.

Full tr

RUBRAME, FRENCH/RUSSIAN, par, Comptes Rendus
de l'Acad des Sciences de l'URSS, Vol LIX, № 3,
Moscow, 1948, pp 479-482.

ATIC-F-IB-8839/III

37,978

Scientific - Astronomy
CTS/Dex
Aug 55

DOK AKAD NAUK SSSR, Nova Ser

Vol LIX, No 3, 1948, 4 p

"Theory of Dispersion of Light on Admixtures in the Atmosphere and Hydrosphere"

K. S. Shifrin

NRL translation No 169
in file safe
4696.lc

42T97

DOK AKAD NAUK SSSR, Nova Ser

Vol LIX, No 3, 1948,
4 pp

"A Special Type of Ionosphere Disturbance"

N. V. Mednikova

Copy in file safe
NRL 187

42T89

Rapid Methods of Calculating the Structure Factor,
by N. V. Delov, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LIX,
No 3, 1948, pp 437-433.

XXXXXX
XN X Sci Trans Center RM-206
Also ID GSUSA

11,516

Scientific - Mathematics
CTS/DEX

DAN. # LIX, (3): 527-530, 1948

"Phosphomutase of Adenosine
Diphosphate from Liver"

by A. V. state/unkown

Sci Dr Cont RT 382

Read at Natl Acad Sci
X-189 Bethesda Md

On the Effect of the Liquid Phase on the
Crystallization Process of Silica, by V. A. Bron, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Khimicheskaya
Tekhnologiya,) Vol LIX, No 3, 1948, pp 535-536.

Sci - Chem
9 May 63

*FTD-TT-63-512

DOK AK NAUK SSSR, Nova Ser

Vol LIX, No 4, 1948
3pp

"Effect of Thermomagnetic Processing on Magnetization and
Magnetostriiction Curves of Alsifer Alloys"

Ya. S. Shur
A. A. Lukshin

Will be translated by NRL.
Phone by DL on 21 Feb 1949

43T96

S-396/60

(NY-4361)

A Method for the Approximate Calculation of
the Diffusion of Resonance Radiation, by
L. Biberman, 9 pp.

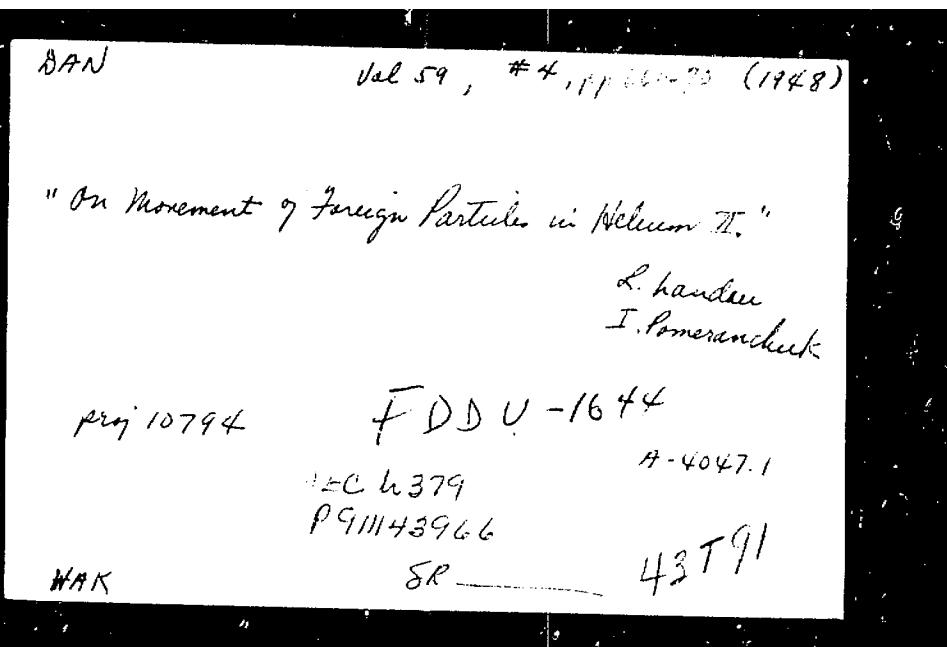
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LIX, No 4,
1948, pp 659-662.

JPRS 5647

Sci - Phys

Sep 60

127,888



Relationships Between the Wind-Field, the Transport-
Field and the Mean Mass-Field in a Non-Homogeneous
Ocean by V. B. Shtokman, 7 pp.

59,
RUSSIAN, per, Dok Akad Nauk SSSR, Vol. 4, USSR,
pp 675-678. 1948.

Defense Scientific Information Service
DRB Canada

T-56R

AFC TR 1246

Metastable Atoms in a Fluorescent Lamp, by
K. Panovkin, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LIX, No 4,
1948, pp 683-686.

Sci Tr Center
RT - 1450

Scientific - Physics

18,937

Structure Changes of Metals Subjected to the Influence
of a High-Power Electrical Discharge, by Ya. I.
Pokrovskii, V. I. Likhman, 5 pp.

Full translation.

RUESIAN, Dok Ak Nauk SSSR, 1948, Vol LIK, No 4,
pp 687-689.

Sci Mus Lib No 52/3271

Scientific - Metallurgy

27 December 1952

Problems of Thermal Modelling, by A. M. Fainzil'ber,
6 pp.

RUSSIAN, thrice-mo per; Dok Ak Nauk SSSR, Vol IIM
LYK, 1948, pp 697-700.

Sci Tr Center RT-193

Scientific - Physics

10, 129

Boklady Ad Nauk SSSR Mol LIX No 5 869-70 1948

Certain Gas Motions with Variable Entropy and Total
Energy by Yu. V. Rudnev

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